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**Kennecott**

**Paula H. Doughty**  
Manager, Environmental Affairs and  
Strategic Resources

February 27, 2003

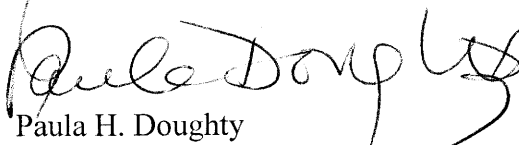
Mr. Wayne Hedberg, Permit Supervisor  
Minerals Reclamation Program  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801

Subject: Transmittal of Kennecott Utah Copper's 2003 Reclamation Activities Plan for Permit  
Number M/035/002

Dear Mr. Hedberg:

Enclosed is a copy of Kennecott Utah Copper's Reclamation Activities Plan for 2003. Only work that will occur within the boundaries of Permit Number M/035/002 has been included in this report. Reclamation projects that are completed in other areas of the Oquirrh Range will be described in the individual annual reports for 2003. If you have any questions about this report or would like to visit some of the sites, please call me at 569-7120.

Sincerely,



Paula H. Doughty  
Manager, Environmental Affairs and  
Strategic Resources

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MAR 03 2003

DIV. OF OIL, GAS & MINING

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Enclosure

Bcc: Jim Kandolin

File: OPS-RR-BCM-ANNUAL RECLAMATION PLAN

**KENNECOTT UTAH COPPER  
RECLAMATION ACTIVITIES PLAN FOR 2003  
PERMIT NUMBER M/O35/002**

This report summarizes the reclamation activities planned within the boundaries of Permit Number M/O35/002. This report is submitted in partial fulfillment of the requirements of the September 28, 1978 Mined Land Reclamation Contract and of the Annual Report of Mining Operations. Individual reclamation projects are described below. Not listed below are interim reclamation projects for dust control on the South Tailings Impoundment which will occur as needed throughout 2003.

Area #1 Tailings Impoundment Revegetation

Location: North and northwest of Magna, Utah (several sections within T1S, R2W and R3W).

Description: Since 1996, the active surface of the South Tailings Impoundment has been reduced by a series of stepbacks. The last tailings were placed onto the easternmost stepback in late 2002. In 2003 the reclamation of portions of the tailings stepback surfaces that have dried sufficiently will continue.

Purpose: To stabilize tailings, to provide fugitive dust and erosion control, to minimize infiltration and to establish grazing land and wildlife habitat.

Activity: Perform minor contouring and leveling as required. Crushed limestone will be applied at a rate of 30 tons/acre to areas that have or may acidify in the future. Biosolids will be applied at rates of about 7 dry tons/acre to selected areas. Grasses, legumes, forbs and shrubs will be hydroseeded or drill seeded in areas planned for permanent reclamation. Fertilizer will be applied to all areas that will be planted.

Area: Approximately 40 acres will receive limestone and 600 acres will receive biosolids. About 560 acres will be seeded in the spring and 395 acres will be seeded in the fall.

Schedule: Spring and fall of 2003.

Area #2 Upper Eastside Waste Rock Dumps

Location: Northeast and East of the Bingham Pit (various location in the western half of Sections 24 and 25, T3S, R3W).

Description: Selected surfaces located on the upper Eastside dumps at elevations above

6900 feet will be reclaimed. These areas are underlain by waste rock with variable pH but low salinity and low sulfide content. This area includes a variety of waste rock surfaces including flat areas and angle of repose slopes up to 150 feet high.

**Purpose:** Surfaces will be recontoured and revegetated to increase evapotranspiration, establish wildlife habitat and reduce infiltration and runoff on the upper surface of the Eastside dumps.

**Activity:** Minor recontouring will be performed on flat surfaces to fill in depressions and smooth down end-dumped piles. Angle of repose slopes will be reduced to slopes of 2.5:1 or less. All surfaces will be ripped with a dozer unless they already contain abundant volunteer vegetation. Crushed limestone will be added at rates of between  $\frac{1}{2}$  and 10 tons/acre as appropriate to areas that are underlain by acidic waste rock. All sites will then be seeded with grasses, legumes, forbs, shrubs and trees.

**Area:** About 100 acres.

**Schedule:** Summer and Fall of 2003.